

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P395777

Luminaire Tested: **I3-UL-80L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-80L82765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7583.3 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

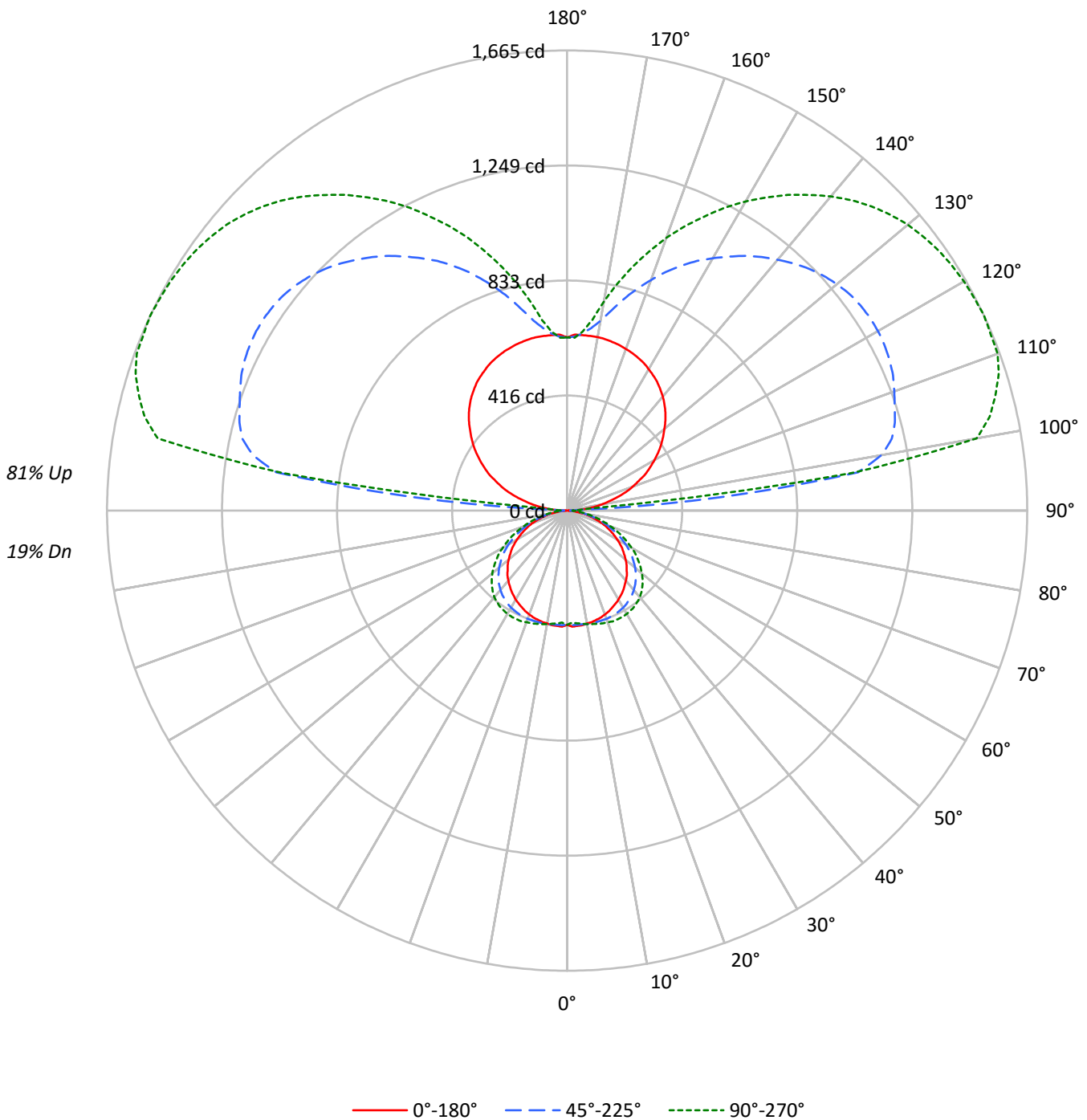
Input Watts (W): 61.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16				
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11				
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9				
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8				
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7				
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2270	2270	2270
5°	2301	2237	2194
10°	2298	2222	2197
15°	2303	2214	2216
20°	2303	2223	2242
25°	2301	2229	2276
30°	2304	2232	2298
35°	2301	2220	2308
40°	2292	2204	2295
45°	2271	2158	2245
50°	2251	2088	2162
55°	2211	1986	2039
60°	2143	1843	1875
65°	2049	1641	1672
70°	1937	1424	1411
75°	1679	1116	1132
80°	1334	802	819
85°	793	467	539



TEST NUMBER: P395777

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	0.5
10°-20°	117.8	1.6
20°-30°	189.6	2.5
30°-40°	244.0	3.2
40°-50°	268.0	3.5
50°-60°	251.9	3.3
60°-70°	195.7	2.6
70°-80°	112.2	1.5
80°-90°	36.0	0.5
90°-100°	484.8	6.4
100°-110°	1152.0	15.2
110°-120°	1157.2	15.3
120°-130°	1061.2	14.0
130°-140°	887.4	11.7
140°-150°	666.0	8.8
150°-160°	433.6	5.7
160°-170°	223.3	2.9
170°-180°	63.2	0.8
0°-30°	347.0	4.6
0°-40°	590.9	7.8
0°-60°	1110.8	14.6
0°-90°	1454.7	19.2
90°-120°	2794.0	36.8
90°-150°	5408.6	71.3
90°-180°	6129.0	80.8
0°-180°	7583.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	413	413	413	413	413	
5°	419	415	415	413	409	40
15°	409	407	417	422	424	116
25°	387	391	413	428	434	179
35°	353	363	392	417	424	221
45°	305	320	351	378	385	236
55°	245	258	286	306	314	218
65°	172	181	198	215	220	170
75°	92	95	105	116	120	98
85°	19	22	30	39	41	22
90°	2	6	11	17	19	6
95°	65	542	557	75	64	65
105°	189	727	1228	1514	1604	200
115°	312	819	1288	1566	1665	307
125°	415	854	1295	1551	1641	370
135°	503	850	1237	1471	1557	387
145°	568	815	1125	1321	1394	355
155°	609	748	977	1120	1174	281
165°	632	675	792	878	912	179
175°	637	635	643	650	650	61
180°	626	626	626	626	626	



TEST NUMBER: P395777

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0
2.5°	420.5	418.6	416.8	416.8	414.9	414.9	414.9	413.0	413.0	413.0	414.9
5°	418.6	418.6	416.8	414.9	414.9	414.9	413.0	413.0	413.0	413.0	414.9
7.5°	418.6	416.8	414.9	414.9	413.0	413.0	413.0	413.0	413.0	413.0	414.9
10°	414.9	414.9	413.0	413.0	411.2	413.0	413.0	413.0	413.0	413.0	416.8
12.5°	413.0	413.0	411.2	409.3	409.3	409.3	411.2	411.2	411.2	413.0	416.8
15°	409.3	409.3	407.4	407.4	407.4	407.4	409.3	409.3	411.2	413.0	416.8
17.5°	405.6	405.6	403.7	403.7	403.7	405.6	405.6	407.4	409.3	413.0	416.8
20°	399.9	399.9	399.9	399.9	399.9	401.8	401.8	403.7	407.4	411.2	416.8
22.5°	394.3	394.3	394.3	394.3	394.3	396.2	398.1	401.8	403.7	409.3	414.9
25°	386.9	386.9	386.9	386.9	388.7	390.6	392.5	396.2	399.9	405.6	413.0
27.5°	379.4	381.3	381.3	381.3	383.1	385.0	386.9	390.6	396.2	403.7	409.3
30°	371.9	371.9	371.9	373.8	375.6	377.5	381.3	385.0	390.6	398.1	405.6
32.5°	362.6	362.6	364.4	364.4	368.2	370.0	373.8	379.4	385.0	392.5	399.9
35°	353.2	353.2	353.2	357.0	358.8	362.6	364.4	370.0	377.5	385.0	392.5
37.5°	342.0	343.9	343.9	345.7	349.5	353.2	355.1	362.6	370.0	377.5	385.0
40°	330.8	332.7	332.7	334.5	340.1	342.0	345.7	353.2	358.8	368.2	375.6
42.5°	319.6	319.6	321.5	323.3	328.9	330.8	334.5	342.0	349.5	357.0	364.4
45°	304.6	306.5	308.4	310.2	315.8	319.6	323.3	328.9	336.4	343.9	351.4
47.5°	291.5	291.5	293.4	297.2	302.8	306.5	308.4	315.8	321.5	328.9	336.4
50°	276.6	278.5	278.5	282.2	287.8	291.5	293.4	300.9	306.5	314.0	321.5
52.5°	259.8	261.6	263.5	267.3	272.9	276.6	278.5	284.1	289.7	297.2	302.8
55°	244.8	246.7	246.7	250.4	256.0	257.9	261.6	265.4	272.9	278.5	285.9
57.5°	228.0	229.9	229.9	233.6	237.4	241.1	243.0	248.6	254.2	259.8	265.4
60°	209.3	211.2	213.1	214.9	218.7	222.4	224.3	228.0	233.6	239.2	244.8
62.5°	190.6	192.5	194.4	196.2	200.0	201.8	203.7	209.3	213.1	218.7	222.4
65°	171.9	173.8	175.7	177.5	179.4	181.3	183.2	186.9	190.6	196.2	198.1
67.5°	153.3	155.1	155.1	157.0	158.9	160.7	162.6	166.3	168.2	173.8	175.7
70°	134.6	134.6	134.6	136.4	136.4	138.3	140.2	143.9	145.8	149.5	153.3
72.5°	112.1	114.0	114.0	114.0	115.9	117.7	119.6	121.5	123.3	125.2	129.0
75°	91.6	93.4	91.6	93.4	95.3	95.3	97.2	99.1	100.9	102.8	104.7
77.5°	72.9	71.0	72.9	72.9	74.8	74.8	74.8	76.6	80.4	80.4	84.1
80°	52.3	52.3	52.3	52.3	54.2	54.2	56.1	56.1	59.8	61.7	63.5
82.5°	33.6	33.6	35.5	35.5	35.5	37.4	37.4	39.2	41.1	43.0	44.9
85°	18.7	18.7	18.7	20.6	20.6	22.4	22.4	24.3	26.2	28.0	29.9
87.5°	5.6	7.5	9.3	9.3	11.2	11.2	13.1	13.1	16.8	18.7	20.6
90°	1.9	1.9	3.7	3.7	3.7	5.6	5.6	7.5	7.5	9.3	11.2
92.5°	31.8	74.8	155.1	231.7	200.0	186.9	112.1	33.6	29.9	31.8	31.8
95°	65.4	123.3	226.1	366.3	474.7	542.0	586.8	672.8	760.6	745.7	556.9
97.5°	95.3	158.9	272.9	401.8	551.3	628.0	685.9	788.7	900.8	994.3	1061.5
100°	125.2	190.6	312.1	446.7	585.0	654.1	721.4	861.6	971.8	1065.3	1155.0
102.5°	157.0	222.4	347.6	487.8	624.2	691.5	756.9	880.3	1003.6	1115.7	1203.6
105°	188.8	256.0	379.4	523.3	659.7	727.0	790.5	908.3	1022.3	1126.9	1227.9
107.5°	222.4	285.9	407.4	551.3	687.8	755.0	818.6	936.3	1046.6	1151.2	1242.8
110°	252.3	314.0	435.5	577.5	713.9	781.2	844.7	962.5	1070.9	1169.9	1259.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	280.3	340.1	461.6	599.9	734.5	801.8	863.4	981.2	1089.6	1186.8	1276.5
115°	312.1	364.4	487.8	620.5	753.2	818.6	880.3	996.1	1104.5	1199.8	1287.7
117.5°	338.3	388.7	510.2	637.3	768.1	831.7	891.5	1007.3	1113.9	1209.2	1295.2
120°	364.4	411.2	530.8	652.2	779.3	841.0	900.8	1014.8	1121.3	1214.8	1298.9
122.5°	390.6	433.6	547.6	667.2	788.7	850.4	908.3	1020.4	1125.1	1216.7	1298.9
125°	414.9	452.3	562.5	678.4	794.3	854.1	910.2	1020.4	1123.2	1212.9	1295.2
127.5°	437.3	472.8	573.8	689.6	798.0	856.0	910.2	1016.7	1119.5	1207.3	1287.7
130°	459.8	491.5	585.0	695.2	801.8	854.1	906.4	1009.2	1110.1	1198.0	1274.6
132.5°	482.2	512.1	594.3	700.8	803.6	854.1	902.7	1001.7	1098.9	1184.9	1257.8
135°	502.7	527.0	603.7	704.6	801.8	850.4	895.2	988.7	1082.1	1166.2	1237.2
137.5°	521.4	542.0	611.1	706.4	799.9	844.7	889.6	973.7	1061.5	1143.8	1212.9
140°	538.2	556.9	614.9	706.4	792.4	837.3	878.4	958.7	1039.1	1117.6	1184.9
142.5°	553.2	570.0	620.5	702.7	784.9	827.9	867.2	943.8	1016.7	1091.4	1156.9
145°	568.1	581.2	624.2	700.8	775.6	814.8	852.2	925.1	996.1	1063.4	1125.1
147.5°	579.4	592.4	628.0	693.4	764.4	799.9	835.4	904.5	970.0	1033.5	1089.6
150°	590.6	601.8	629.8	685.9	751.3	783.1	814.8	880.3	943.8	1001.7	1054.1
152.5°	601.8	609.3	635.4	678.4	736.3	766.3	798.0	856.0	913.9	968.1	1018.6
155°	609.3	614.9	637.3	670.9	721.4	747.6	773.7	827.9	880.3	930.7	977.4
157.5°	616.7	622.3	639.2	665.3	704.6	728.9	751.3	798.0	846.6	891.5	934.5
160°	622.3	626.1	639.2	661.6	689.6	706.4	727.0	770.0	811.1	850.4	887.7
162.5°	628.0	629.8	639.2	656.0	676.5	687.8	702.7	736.3	773.7	807.4	841.0
165°	631.7	633.6	639.2	652.2	665.3	674.7	682.2	706.4	734.5	764.4	792.4
167.5°	635.4	635.4	639.2	648.5	656.0	661.6	667.2	680.3	699.0	721.4	742.0
170°	637.3	637.3	639.2	644.8	650.4	652.2	656.0	663.5	672.8	684.0	697.1
172.5°	637.3	637.3	637.3	641.0	642.9	642.9	642.9	646.6	652.2	659.7	665.3
175°	637.3	635.4	635.4	637.3	635.4	635.4	635.4	635.4	637.3	641.0	642.9
177.5°	637.3	635.4	633.6	633.6	631.7	631.7	629.8	629.8	629.8	629.8	629.8
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0	413.0
2.5°	414.9	414.9	413.0	411.2	411.2	411.2	409.3	407.4	405.6	405.6
5°	414.9	414.9	413.0	413.0	413.0	413.0	411.2	411.2	409.3	409.3
7.5°	416.8	414.9	414.9	414.9	414.9	414.9	414.9	414.9	413.0	413.0
10°	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8
12.5°	418.6	418.6	418.6	418.6	420.5	420.5	420.5	420.5	420.5	420.5
15°	418.6	420.5	422.4	422.4	422.4	424.2	424.2	424.2	424.2	424.2
17.5°	420.5	422.4	424.2	424.2	426.1	426.1	428.0	428.0	428.0	428.0
20°	420.5	422.4	424.2	426.1	428.0	428.0	429.8	431.7	431.7	429.8
22.5°	418.6	422.4	424.2	426.1	428.0	429.8	431.7	433.6	433.6	433.6
25°	416.8	420.5	424.2	428.0	428.0	429.8	433.6	433.6	433.6	433.6
27.5°	414.9	418.6	422.4	426.1	428.0	429.8	431.7	433.6	433.6	433.6
30°	411.2	416.8	420.5	424.2	426.1	428.0	429.8	431.7	431.7	431.7
32.5°	405.6	411.2	414.9	420.5	422.4	424.2	426.1	428.0	428.0	428.0
35°	399.9	405.6	409.3	414.9	416.8	418.6	422.4	422.4	424.2	424.2
37.5°	390.6	398.1	401.8	407.4	409.3	411.2	414.9	416.8	416.8	416.8
40°	381.3	388.7	392.5	398.1	399.9	401.8	405.6	407.4	409.3	409.3
42.5°	370.0	377.5	381.3	386.9	388.7	390.6	394.3	396.2	398.1	398.1
45°	358.8	364.4	368.2	373.8	377.5	377.5	381.3	383.1	385.0	385.0
47.5°	343.9	349.5	353.2	358.8	362.6	364.4	366.3	368.2	370.0	370.0
50°	327.1	332.7	338.3	342.0	345.7	345.7	349.5	351.4	353.2	353.2
52.5°	310.2	314.0	319.6	325.2	327.1	328.9	330.8	332.7	334.5	334.5
55°	291.5	295.3	300.9	304.6	306.5	308.4	310.2	312.1	314.0	314.0
57.5°	271.0	274.7	280.3	284.1	285.9	287.8	289.7	291.5	293.4	293.4
60°	248.6	252.3	257.9	261.6	263.5	263.5	267.3	269.1	269.1	269.1
62.5°	226.1	229.9	233.6	237.4	239.2	241.1	243.0	244.8	244.8	244.8
65°	203.7	207.4	211.2	213.1	214.9	214.9	216.8	218.7	220.5	220.5
67.5°	179.4	183.2	186.9	188.8	190.6	190.6	192.5	194.4	194.4	194.4
70°	155.1	157.0	160.7	162.6	164.5	164.5	168.2	168.2	168.2	168.2
72.5°	130.8	132.7	136.4	138.3	140.2	140.2	142.0	143.9	143.9	143.9
75°	108.4	110.3	112.1	115.9	115.9	115.9	117.7	119.6	119.6	119.6
77.5°	86.0	87.8	89.7	91.6	93.4	93.4	95.3	97.2	97.2	97.2
80°	65.4	67.3	69.1	71.0	71.0	72.9	72.9	74.8	74.8	74.8
82.5°	46.7	48.6	50.5	52.3	54.2	54.2	56.1	57.9	57.9	56.1
85°	31.8	35.5	37.4	39.2	39.2	39.2	41.1	43.0	43.0	41.1
87.5°	22.4	22.4	24.3	26.2	26.2	28.0	28.0	29.9	29.9	29.9
90°	13.1	13.1	15.0	15.0	16.8	16.8	16.8	18.7	18.7	18.7
92.5°	31.8	31.8	33.6	33.6	33.6	33.6	35.5	35.5	35.5	35.5
95°	340.1	153.3	129.0	78.5	74.8	65.4	63.5	65.4	65.4	63.5
97.5°	1141.9	1222.3	1272.7	1297.0	1267.1	1235.3	1199.8	1194.2	1145.6	1037.2
100°	1231.6	1295.2	1356.8	1399.8	1416.6	1431.6	1465.2	1485.8	1495.1	1504.5
102.5°	1276.5	1343.7	1397.9	1452.1	1474.6	1495.1	1525.0	1549.3	1558.7	1566.1
105°	1315.7	1384.9	1444.7	1493.3	1513.8	1532.5	1562.4	1584.8	1601.7	1603.5
107.5°	1325.1	1397.9	1465.2	1525.0	1549.3	1569.9	1605.4	1622.2	1637.2	1637.2
110°	1341.9	1411.0	1472.7	1526.9	1551.2	1575.5	1612.9	1639.0	1654.0	1657.7



TEST NUMBER: P395777

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1355.0	1426.0	1483.9	1538.1	1558.7	1581.1	1616.6	1640.9	1654.0	1659.6
115°	1366.2	1435.3	1493.3	1543.7	1566.1	1588.6	1624.1	1644.6	1659.6	1665.2
117.5°	1373.6	1440.9	1498.9	1545.6	1569.9	1588.6	1622.2	1644.6	1659.6	1661.5
120°	1375.5	1442.8	1498.9	1545.6	1566.1	1586.7	1620.3	1642.8	1657.7	1657.7
122.5°	1375.5	1440.9	1497.0	1541.8	1560.5	1579.2	1611.0	1637.2	1650.2	1650.2
125°	1368.0	1433.4	1487.6	1532.5	1551.2	1568.0	1601.7	1625.9	1639.0	1640.9
127.5°	1356.8	1420.4	1474.6	1519.4	1538.1	1553.1	1588.6	1611.0	1624.1	1625.9
130°	1341.9	1405.4	1457.7	1500.7	1519.4	1536.2	1566.1	1590.4	1605.4	1609.1
132.5°	1325.1	1384.9	1437.2	1478.3	1497.0	1511.9	1541.8	1566.1	1579.2	1584.8
135°	1304.5	1360.6	1411.0	1452.1	1470.8	1485.8	1513.8	1538.1	1551.2	1556.8
137.5°	1278.3	1332.5	1381.1	1422.2	1439.1	1454.0	1482.0	1504.5	1515.7	1523.2
140°	1248.4	1298.9	1349.3	1386.7	1403.5	1418.5	1442.8	1467.1	1478.3	1483.9
142.5°	1216.7	1267.1	1312.0	1349.3	1364.3	1379.3	1403.5	1426.0	1437.2	1439.1
145°	1183.0	1231.6	1272.7	1308.2	1321.3	1336.3	1358.7	1381.1	1392.3	1394.2
147.5°	1145.6	1190.5	1229.7	1263.4	1278.3	1289.5	1310.1	1330.7	1341.9	1343.7
150°	1102.7	1143.8	1179.3	1212.9	1226.0	1237.2	1259.6	1278.3	1289.5	1291.4
152.5°	1061.5	1100.8	1130.7	1160.6	1173.7	1184.9	1203.6	1222.3	1233.5	1235.3
155°	1018.6	1054.1	1084.0	1108.3	1119.5	1130.7	1145.6	1162.5	1171.8	1173.7
157.5°	973.7	1007.3	1033.5	1055.9	1067.1	1076.5	1089.6	1104.5	1110.1	1113.9
160°	925.1	953.1	975.6	998.0	1007.3	1016.7	1029.8	1041.0	1048.5	1050.3
162.5°	872.8	897.1	915.8	936.3	941.9	949.4	962.5	973.7	979.3	981.2
165°	818.6	841.0	857.8	874.6	878.4	884.0	893.3	904.5	908.3	912.0
167.5°	764.4	783.1	794.3	809.2	814.8	818.6	827.9	835.4	839.1	841.0
170°	712.1	725.1	734.5	745.7	747.6	753.2	758.8	766.3	768.1	768.1
172.5°	670.9	676.5	682.2	685.9	687.8	689.6	693.4	695.2	695.2	695.2
175°	644.8	648.5	648.5	650.4	650.4	650.4	650.4	650.4	650.4	650.4
177.5°	629.8	629.8	629.8	628.0	628.0	628.0	628.0	626.1	626.1	626.1
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1

(END OF REPORT)